1   **51346/PAN/B600** - BP1672CON

ABSTRACT OF THE DISCLOSURE

5   A system and method for executing previously created run
time executables in a configurable processing element array is
disclosed.   In one embodiment, this system and method begins
by identifying at least one subset of program code.   The
method may then generate at least one set of configuration
memory contexts that replaces each of the at least one subsets
10   of program code, the at least one set of configuration memory
contexts emulating the at least one subset of program code.
The method may then manipulate the at least one set of
multiple context processing elements using the at least one
set of configuration memory contexts.   The method may then
15   execute the plurality of threads of program code using the at
least one set of multiple context processing elements.
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